

AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double brackets indicating deletions.

Listing of the Claims

1. (CURRENTLY AMENDED) A method for producing high silicate glass, the method comprising:

a phase-separating step of subjecting to heat treatment borosilicate glass containing any one element of manganese, cerium, chromium, cobalt, and copper, so as to phase-separate the borosilicate glass;

an acid-treatment step of subjecting the phase-separated borosilicate glass to acid treatment so as to elute a metal; and

a sintering step of sintering the acid-treated borosilicate glass,
wherein the borosilicate glass includes 0.1 wt% to 2.0 wt% of an oxide of the one element of manganese, cerium, chromium, cobalt, and copper.

2. (CANCELLED)

3. (PREVIOUSLY PRESENTED) The method according to Claim 1, wherein the borosilicate glass is produced by carrying out first and second melting steps of melting a raw material by heating the raw material.

4. (PREVIOUSLY PRESENTED) The method according to Claim 3, wherein boric acid to be contained in the borosilicate glass is added in the second melting step.

5. (PREVIOUSLY PRESENTED) The method according to Claim 1, wherein:

when the borosilicate glass contains cerium or chromium, the borosilicate glass is subjected repeatedly to another heat treatment and another acid treatment between the acid-treatment step and the sintering step.

6. (PREVIOUSLY PRESENTED) High silicate glass produced by the method according to Claim 1.

7. (PREVIOUSLY PRESENTED) High silicate glass according to Claim 6, transmitting 30% or more of light at a wavelength of 200 nm when including 10 ppm or more of boron and having a thickness of 1 mm.

8. (CANCELLED)

9. (PREVIOUSLY PRESENTED) The method according to Claim 2, wherein the borosilicate glass is produced by carrying out first and second melting steps of melting a raw material by heating the raw material.

10. (PREVIOUSLY PRESENTED) The method according to Claim 2, wherein:

when the borosilicate glass contains cerium or chromium, the borosilicate glass is subjected repeatedly to another heat treatment and another acid treatment between the acid-treatment step and the sintering step.

11. (PREVIOUSLY PRESENTED) The method according to Claim 3, wherein:

when the borosilicate glass contains cerium or chromium, the borosilicate glass is subjected repeatedly to another heat treatment and another acid treatment between the acid-treatment step and the sintering step.

12. (PREVIOUSLY PRESENTED) The method according to Claim 4, wherein:

when the borosilicate glass contains cerium or chromium, the borosilicate glass is subjected repeatedly to another heat treatment and another acid treatment between the acid-treatment step and the sintering step.

13. (PREVIOUSLY PRESENTED) High silicate glass produced by the method according to Claim 2.

14. (PREVIOUSLY PRESENTED) High silicate glass produced by the method according to Claim 3.

15. (PREVIOUSLY PRESENTED) High silicate glass produced by the method according to Claim 4.

16. (PREVIOUSLY PRESENTED) High silicate glass produced by the method according to Claim 5.

17. (PREVIOUSLY PRESENTED) The method according to claim 5, wherein a last acid treatment of the another acid treatment performed repeatedly is an acid treatment by using acid containing ethylenediamine tetraacetic acid.

18. (PREVIOUSLY PRESENTED) The method according to claim 10, wherein a last acid treatment of the another acid treatment performed repeatedly is an acid treatment by using acid containing ethylenediamine tetraacetic acid.

19. (PREVIOUSLY PRESENTED) The method according to claim 11, wherein a last acid treatment of the another acid treatment performed repeatedly is an acid treatment by using acid containing ethylenediamine tetraacetic acid.

20. (PREVIOUSLY PRESENTED) The method according to claim 12, wherein a last acid treatment of the another acid treatment performed repeatedly is an acid treatment by using acid containing ethylenediamine tetraacetic acid.

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END OF CLAIM LISTING

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